

Appln No. 09/866,546

Amdt date September 27, 2005

Reply to Office action of August 30, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A method for controlling and managing wireless network access for a wireless RF communication device, comprising the steps of:

sequentially scanning for polling messages from a plurality of network masters of a plurality of time-synchronous RF networks to determine whether communications may be established with one of the networks;

receiving the polling messages;

selecting, in accordance with a predefined criteria, one of the networks associated with one of the received polling messages; and

establishing communications between the wireless communication device and the selected network.

2. (Previously Presented) A multi-mode controller for controlling and managing network access for a wireless RF communication device, comprising:

a network detector for sequentially scanning for polling messages from a plurality of network masters of a plurality of time-synchronous RF networks to determine whether communications

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may be established with one of the networks and for receiving the polling messages;

a network selector for selecting, in accordance with a predefined criteria, one of the networks associated with one of the received polling messages; and

a connection manager for establishing communications between the wireless communication device and the selected network.

3. - 8. (Canceled).

9. (Canceled).

10. (Previously Presented) The method of claim 1 comprising scanning a first network during a first scanning window and scanning a second network during a second scanning window.

11. (Previously Presented) The method of claim 10 wherein the first scanning window comprises a first predefined time period and the second scanning window comprises a second predefined time period.

12. (Previously Presented) The method of claim 11 wherein the first predefined time period is equal to the second predefined time period.

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13. (Previously Presented) The method of claim 10 comprising performing multiple scans during the first scanning window and performing multiple scans during the second scanning window.

14. (Previously Presented) The method of claim 13 wherein each of the multiple scans during each scanning window is performed for a predefined time period.

15. (Canceled).

16. (Previously Presented) The multi-mode controller of claim 2 wherein the network detector is configured to scan a first network during a first scanning window and scan a second network during a second scanning window.

17. (Previously Presented) The multi-mode controller of claim 16 wherein the first scanning window comprises a first predefined time period and the second scanning window comprises a second predefined time period.

18. (Previously Presented) The multi-mode controller of claim 17 wherein the first predefined time period is equal to the second predefined time period.

19. (Previously Presented) The multi-mode controller of claim 16 wherein the network detector is configured to perform

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multiple scans during the first scanning window and perform multiple scans during the second scanning window.

20. (Previously Presented) The multi-mode controller of claim 19 wherein each of the multiple scans during each scanning window is performed for a predefined time period.

21. (Previously Presented) The method of claim 1 wherein the predefined criteria comprises a user preference.

22. (Previously Presented) The method of claim 1 wherein the predefined criteria comprises relative bandwidth.

23. (Previously Presented) The method of claim 1 wherein the predefined criteria comprises relative quality of service.

24. (Previously Presented) The method of claim 1 wherein the predefined criteria comprises relative content.

25. (Previously Presented) The method of claim 1 comprising using a common portion of an RF radio front end to communication with the networks.

26. (Canceled).